



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/801,125	03/15/2004	Sebastian Weitbruch	PD030031	9180
24498	7550	09/11/2008		
Joseph J. Laks			EXAMINER	
Thomson Licensing LLC			SHAPIRO, LEONID	
2 Independence Way, Patent Operations				
PO Box 5312			ART UNIT	
PRINCETON, NJ 08543			2629	
			PAPER NUMBER	
			MAIL DATE	
			09/11/2008	
			DELIVERY MODE	
			PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/801,125

Applicant(s)

WEITBRUCH ET AL.

Examiner

Leonid Shapiro

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 June 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5-10 and 13-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-2,5-10,13-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-2,9-10,15-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoshiya (JP 05-075951).

As to claim 1, Yoshiya teaches method for driving display means having a predefined display area for displaying, a video image being smaller than the display area in order to suppress the marking effect and to limit the disturbing effect of unused display sections (paragraphs 0001,0007-0008) comprising the steps of providing a video signal for displaying a video image being smaller than said display area, so that one or more unused display sections remain on the display area (fig. 6, items L1-L2, paragraph 0004), and

driving said one or more unused display sections with at least one predetermined signal, said at least one predetermined signal being varied in accordance with said video signal (fig. 6, items L1-L2, paragraphs 0007-0008),

wherein said at least one predetermined signal is computed on the basis of one or more analysing areas within said display area, said one or more analysing areas directly abutting on said one or more unused areas (drawing 6, items L1-L2, paragraph 0024) and wherein said at least one predetermined signal is computed by evaluating brightness values concerning the quantity at which brightness level occur in one of said

analysing areas and by selecting a brightness level according to significant quantity at which brightness level occur in a present video signal for displaying a video image in said analysing area abutting on said one or more unused areas in order to suppress the marking effect and to limit the disturbing effect of the unused display sections (drawing 6 (b), items L1-L2, par. 8, Constitution).

As to claim 9, Yoshiya teaches device for driving display means having a predefined display area for displaying, a video image being smaller than the display area in order to suppress the marking effect and to limit the disturbing effect of unused display sections (paragraphs 0001,0007-0008) comprising:

determining means for determining one or more unused display sections remaining on the display area when driving display means with predetermined video signal (fig. 1, items 7-8, paragraphs 0012-0013), , and

driving means connected to said determining means for driving said one or more unused display sections with at least one predetermined signal, said at least one predetermined signal being variable in accordance with said video signal (fig. 1, items 7-9, paragraphs 0012-0013 and fig. 6, items L1-L2, paragraphs 0007-0008), and

wherein said at least one predetermined signal is computed on the basis of one or more analysing areas within said display area, said one or more analysing areas directly abutting on said one or more unused areas (drawing 6, items L1-L2, paragraph 0024) and wherein said at least one predetermined signal is computed by evaluating brightness values concerning the quantity at which brightness level occur in one of said analysing areas and by selecting a brightness level according to significant quantity at

which brightness level occur in a present video signal for displaying a video image in said analysing area abutting on said one or more unused areas in order to suppress the marking effect and to limit the disturbing effect of the unused display sections (drawing 6 (b), items L1-L2, par. 8, Constitution).

As to claims 2,10 Yoshiya teaches unused sections include sidebars (fig.6, item L2).

As to claims 15-18 Yoshiya teaches driving means is capable of limiting the brightness of said at least one predetermined signal to a maximum brightness below the maximum practical brightness of the luminous elements of said display means (in the reference average level)(see constitution).

3. Claims 5-8,13-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshiya as applied to claims 5,11 above, and further in view of Milch et al. (US 7,002,593 B2).

As to claims 5-6,13-14 Yoshiya teaches taking a medium brightness of said significant part for said at least one predetermined signal (constitution).

Yoshiya does not disclose at least one predetermined signal is computed by evaluating a histogram of brightness values of one of said analysing areas by applying a threshold to histogram in order to obtain a significant part of the histogram.

Millch et al. teaches at least one predetermined signal is computed by evaluating a histogram of brightness values of one of said analysing areas by applying a

threshold to histogram in order to obtain a significant part of the histogram (col. 3, lines 10-32).

It would have been obvious to of ordinary skill in the art at the time of the invention to incorporate teachings of Milch et al. into Yoshiya system in order to reduce power consumption (col. 1, lines 6-9 in Milch et al. reference).

As to claims 7-8 Yoshiya teaches driving means is capable of limiting the brightness of said at least one predetermined signal to a maximum brightness below the maximum practical brightness of the luminous elements of said display means (in the reference average level)(see constitution).

Response to Arguments

4. Applicant's arguments filed on 06/24/08 have been fully considered but they are not persuasive.

On page 6, last paragraph of Remark, Applicant's stated that Yoshiya teaches to drive the margin section with a signal computed on the basis of an average level of the video image. However, in paragraph 0024 Yoshiya stated: "...the brightness difference of the boundary of the image section and the margin section become loose..." (drawing 6, items L1-L2, paragraph 0024) and the brightness difference of the image and margin sections can be held small (drawing 6, items L1-L2, paragraph 0008). It is clear that the average level of the video image for image portion of the display L1 is equal to average level of brightness of the input video signal because in margine section a valid video signal does not exist (unused area) (drawing 6 (b), items L1-L2, Constitution).

Telephone inquire

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonid Shapiro whose telephone number is 571-272-7683. The examiner can normally be reached on 8 a.m. to 5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LS
09.04.08

/Richard Hjerpe/

Supervisory Patent Examiner, Art Unit 2629

